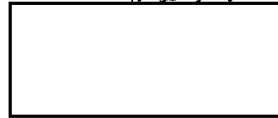


Project file
WCM *28 Sept*
JAR *28 Sept*

OSS - 299/64
25 September



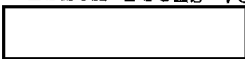
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MEMORANDUM FOR: Executive Director, NPIC

FROM : Chief, CIA/PID (NPIC)

SUBJECT : Comments on TID Memo 185/64 - Stereo Chip Comparator

REFERENCE : PS Memo 170/64 - Placement of Prototype Equipment

1. In response to the recommendations made in the subject memorandum, the Photographic Intelligence Division feels very strongly that it would be disadvantageous to relocate the  Chip Comparator for the following reasons:

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a. This instrument has been especially designed for use by photo-interpreters in order to allow them to do their own 'pointing' at objects with which they are most familiar and to achieve a high order of accuracy in both the physical and computational aspects of determining ground distances and azimuths.

b. The instrument is currently being used by analysts from both the Photographic Intelligence Division and the Photographic Analysis Group on production mensuration problems during its checkout. Analysts are presently receiving instruction in the use of the microscope and the comparative measurement features of the comparator even though the computer link capability is not yet realized. Arrangements have been made with the Programming Branch of the Information Processing Division for the writing of programs for use with this instrument. As soon as these are made available, they will be used operationally by the Photographic Intelligence Division and the Photographic Analysis Group analysts.

c. Since the Photographic Intelligence Division is to receive one of the first production line models, it is essential that this prototype be thoroughly evaluated to determine changes necessary in the production model. The Photographic Intelligence Division is also making the instrument available to the Photographic Analysis Group personnel for their investigation with regard to their two production models.

Declass Review by NIMA / DoD

SUBJECT: Comments on TID Memo 185/64 - Stereo Chip Comparator Page 2

d. As stated in the referenced memorandum, the Photographic Intelligence Division is willing to make the instrument available in its present location to the Technical Intelligence Division or any other component of NPIC for their program of testing and evaluation. The Technical Intelligence Division's stated purpose of training photo-interpreters in the use of the machine could be accomplished far more rapidly with the comparator in its present position where it is easily accessible to analysts as they work on production items.

e. The Plans and Development Staff, NPIC has concurred with the present placement of the comparator in the Photographic Intelligence Division as being the best position for receiving operational tests and evaluation.

in view of concurrence based upon instrument being installed in PID
f. Both the president [redacted] and the engineers who constructed the instrument have stated that it is not to be moved after installation. The device is of such delicacy that it takes three days to stabilize to room temperature in a new location before work can begin on levelling it. To move it also requires its complete dismantling and will cost [redacted]

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2. The Technical Intelligence Division is quite right in the description of the performance of this instrument outlined in paragraph 2. However, this is not appreciably above expectations and these parameters were made known to the Technical Intelligence Division at the time of contracting for the three instruments now on order. Had interest been expressed by the Technical Intelligence Division at that time, their purchase order could have been included with those of the Photographic Intelligence Division and the Photographic Analysis Group thus lowering the purchase price for all of the instruments.

3. In summary, it is emphasized that this comparator was expressly developed for use by the operational photo-interpreter units in NPIC in conjunction with the [redacted] computer and the extensive cable outlet systems throughout the building. Its placement in the photo-interpreter operating areas is essential to the development of this instrument as a device which can be used by the analysts.

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Attachment: PS Memo 170/64

Distribution:

Orig. - Addressee

1 - P&DS

1 - TID

1 - PAG

2 - OSS/PID